

ABSTRACT OF INVENTION

A replaceable pressure sensor insert adapted for removable connection with an insert carrier. The pressure sensor insert is comprised of a housing defining an exterior and an interior of the housing, a pressure sensor connected with the housing such that the pressure sensor is capable of sensing an ambient pressure at the exterior of the housing and an electronics assembly contained within the interior of the housing and electrically connected with the pressure sensor. In addition, the insert is comprised of a first insert mounting component adapted to be removably connectable with a second insert mounting component associated with the insert carrier in order to facilitate connection and replacement of the insert. Finally, a housing sealing mechanism is provided for sealing the insert relative to the insert carrier and a sensor sealing mechanism is provided for sealing the pressure sensor relative to the housing.